

AMENDMENTS TO THE CLAIMS

This listing of claims will replace all prior versions, and listings of claims in the application:

Claim 1 (currently amended): A method for producing predetermined patterned lesions in cardiac tissue comprising the step of subjecting cardiac tissue containing a photodynamic drug to a light source, the light source arranged so as to produce a lesion in a pattern corresponding to the light source such that non-target tissue is not exposed to the light.

Claim 2 (original): The method of claim 1 further comprising the step of introducing said photodynamic drug to said cardiac tissue.

Claim 3 (original): The method of claim 2 wherein said introducing step comprises systemic introduction of said photodynamic drug to a patient having said cardiac tissue.

Claim 4 (original): The method of claim 2 wherein said introducing step comprises local introduction of said photodynamic drug to said cardiac tissue.

Claim 5 (original): The method of claim 1 wherein said predetermined pattern encircles an ectopic arrhythmic focus in said cardiac tissue.

Claim 6 (original): The method of claim 1 wherein said predetermined pattern encircles the pulmonary vein bed in the left atrium of a patient having said cardiac tissue.

Claim 7 (original): The method of claim 1 wherein said predetermined pattern encircles at least one of superior pulmonary veins in the left atrium of a patient having said cardiac tissue.

Claim 8 (original): The method of claim 1 wherein said predetermined pattern is exterior to a heart containing said cardiac tissue.

Claim 9 (original): The method of claim 8 wherein said light delivery is through an epicardium.

Claim 10 (original): The method of claim 1 wherein said predetermined pattern is interior to a heart containing said cardiac tissue.

Claim 11 (currently amended) ; A method for the heat-free treatment of a selected cardiac tissue comprising the step of subjecting said cardiac tissue containing a photodynamic drug to a light source, the light source arranged so as to produce a lesion in a predetermined pattern corresponding to the light source such that non-target tissue is not exposed to the light.

Claim 12 (original): The method of claim 11 further comprising the step of introducing said photodynamic drug to said cardiac tissue.

Claim 13 (original): The method of claim 12 wherein said introducing step comprises systemic introduction of said photodynamic drug to a patient having said cardiac tissue.

Claim 14 (original): The method of claim 12 wherein said introducing step comprises local introduction of said photodynamic drug to said cardiac tissue.

Claim 15 (cancelled)

Claim 16 (previously presented): The method of claim 11 wherein said predetermined pattern encircles an ectopic arrhythmic focus in said cardiac tissue.

Claim 17 (previously presented): The method of claim 11 wherein said predetermined pattern encircles the pulmonary vein bed in the left atrium of a patient having said cardiac tissue.

Claim 18 (previously presented): The method of claim 11 wherein said predetermined pattern encircles at least one of superior pulmonary veins in the left atrium of a patient having said cardiac tissue.

Claim 19 (previously presented): The method of claim 11 wherein said predetermined pattern is exterior to a heart containing said cardiac tissue.

Claim 20 (original): The method of claim 11 wherein said step of subjecting said cardiac tissue containing a photodynamic drug to a light source to form a lesion comprises delivering said light through an epicardium.

Claim 21 (original): The method of claim 11 wherein said step of subjecting said cardiac tissue containing a photodynamic drug to a light source to form a lesion comprises delivering said light interior to a heart containing said cardiac tissue.

Claim 22 (currently amended): A light delivery device for providing light to a cardiac tissue comprising a generally linear member having a distal region, said distal region comprising an axis, and a transparent linear light emitting region corresponding to the axis, the linear light emitting region being surrounded by a substantially opaque region on each of its surfaces but its light emitting surface, wherein a portion of the linear light emitting region can be selectively illuminated, the light emitting region emitting substantially all light emanating from the device to produce a lesion in a pattern corresponding to the light emitted from the light emitting region, the linear light emitting region further being conformable to a curved cardiac tissue.

Claim 23 (cancelled)

Claim 24 (original): The light delivery device of claim 22 wherein said light emitting region comprises a window or lens.

Claim 25 (original): The light delivery device of claim 22 wherein said light emitting region comprises at least one LED.